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STATE DOCUMENTS

MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVII, No. 3 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — March, 1969

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1969, averaged 120,703 barrels daily, a decrease of 3,879 barrels from the average February production of 124,582.

The nine refineries in the state processed 110,308 barrels of crude oil daily for the month of March, 1969, an increase of 1,926 barrels from the 108,382 barrels processed daily during the month of February, 1969.

During March, 61 wells were completed, 12 oil, 3 gas and 46 dry holes.

During March, the commission issued 57 permits to drill new wells, an increase of 23 from the 34 permits issued during February.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF MARCH, 1969

IN STORAGE MARCH 1st	
By Producers	407,998
By Transporters	1,343,146
By Refiners	786,419
TOTAL STORAGE	2,537,563
Produced in Montana During Month	3,741,808
Imported During Month	2,628,477
TOTALS	8,907,848
DISPOSITION:	
Refined in Montana	3,419,555
Exported	2,729,337
Used for Fuel or Lost	19,280
TOTAL	6,168,172
IN STORAGE MARCH 31st	
By Producers	411,717
By Transporters	1,346,785
By Refiners	981,174
TOTAL STORAGE	2,739,676

NATURAL GAS WITHDRAWALS IN MONTANA

Month of March, 1969

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	784,427
Big Coulee	123,306
Blackjack	26,926
Bowdoin	231,602
Bowes	35,769
Cabin Creek	104,194
Cedar Creek	576,888
Cut Bank (Including Reagan)	647,168
Devon	0
Dry Creek	53,747
Elk Basin	64,214
Flat Coulee	9,317
Gold Butte	0
Golden Dome	0
Grandview	78,257
Hardin	1,861
Keith Block	298,311
Kevin Sunburst	68,508
Lake Basin	104,940
Middle Butte	3,710
Mt. Lilly	39,271
Pine	61,101
Plevna	8,279
Squaw Coulee	48,940
Utopia	92,162
Whitlash	95,039
Miscellaneous	247,210
TOTAL	3,805,147

Total withdrawls for March, 1968 were 2,594, 785

PRODUCERS REPORT—MONTH OF MARCH, 1969

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	3	255	2,543		2,363		435
	Bannatyne		704					704
1	Bascom	1	342	88				430
4	Bear's Den	5	2,134	1,048		1,673		1,509
77	Bell Creek	343	73,463	1,127,842	1,124,863		2,342	74,100
1	Benrud	1	739	648	847			540
1	Benrud East	1	627	13,330	12,901			1,056
1	Benrud Northeast	1	974	4,910	4,720			1,164
	Berthelote		577					577
5	Big Wall	17	2,868	15,294	16,305			1,857
4	Blackfoot	5	971	2,064		805		2,230
1	Border	1		571		571		
1	Bowes	42	5,276	10,283	10,158			5,401
1	Bradley	1	134	706				840
1	Brady	1	675					675
3	Brorson-Madison	3	895	5,789	5,088		16	1,580
5	Brorson-Red River	5	2,561	45,417		47,054		924
2	Brorson-Red River South	2	3,170	29,742		29,576		3,336
2	Cabin Creek	99		290,465	290,465			
13	Cat Creek	67	2,540	11,640	10,051	1,494		2,635
	Clark's Fork		51					51
1	Conrad South	1	662	519	519			662
	Cupton		1,074					1,074
118	Cut Bank	691	76,252	393,717	394,205			75,764
2	Deer Creek	3	1,177	2,789	3,133			833
1	Delphia	1	239	418		486		171
	Devil's Basin		671					671
1	Dry Creek	1		203		203		
1	Dwyer	13	3,943	20,153	18,758			5,338
4	Elk Basin	55	2,289	227,901	227,946			2,244
5	Elk Basin Northwest	14	2,557	6,504	6,207			2,854
8	Fairview	9	7,844	39,274	38,061			9,057
2	Fertile Prairie	2	702	1,341	1,242			801
9	Flat Coulee	29	6,296	13,495	15,038			4,753
36	Flat Lake	56	8,899	59,776	60,730			7,945
2	Flat Lake South	2	465	4,573	4,378			660
2	Frannie	2		783	783			
19	Fred & George Creek	42	3,257	89,538	88,564			4,231
1	Gage	1	686	153	417			422
4	Gas City	23	4,863	27,748	26,186			6,425
11	Glendive	15	2,240	29,971	25,991	4,171		2,049
25	Goose Lake	33	5,550	51,951	52,193			5,308
9	Graben Coulee	22	5,318	5,692	4,383	624		6,003
	Grandview		528					528
	Gypsy Basin		924					924
6	Hiawatha	7	5,713	19,518	21,185		56	3,990
1	Hibbard	1	851	114		802		163
1	Injun Creek	1	1,081	121				1,202
6	Ivanhoe	11	1,808	7,823	8,135			1,496
9	Keg Coulee	24	5,542	11,746	12,068			5,220
2	Keg Coulee North	2	807	1,215	914			1,108
5	Kelley	5	840	10,778	10,694			924
56	Kevin Sunburst	341	15,080	14,464	5,026	8,994		15,524
8	Laird Creek	12	464	6,646		6,740		370
1	Little Beaver	29		26,177	26,177			
2	Little Beaver East*	14	2,338	16,650	17,031			1,957
	Lodge Grass		1,746					1,746
2	Lookout Butte (Coral Creek)	37	309	64,533	64,445			397
	Mackay Dome		1,139					1,139
2	Mason Lake	2	783	1,364	1,582			565
3	Melstone	5	1,358	3,064	1,743	1,163		1,516
1	Mineral Bench	1	619	223				842
	Miner's Coulee		107					107
9	Monarch	15	4,184	20,229	20,894		197	3,322
2	Mosser	2		317		317		
6	Outlook	10	7,927	22,246		25,112		5,061
2	Outlook South	2	1,296	4,621		4,682		1,235
2	Outlook West	2	2,016	5,380		5,865		1,531
1	Pennel—Lookout Butte	148	9,016	162,315	161,533			9,798
4	Pine	119	17,211	295,755	295,662			17,304
1	Pole Creek	1	1,325					1,325
61	Pondera	264	8,305	24,541	24,325			8,521
4	Poplar	65	10,195	54,742	53,015		517	11,405
2	Poplar Northwest	2	1,752	121				1,873
	Prairie Elk		333					333
4	Ragged Point	12	6,086	8,447	10,365			4,168
1	Rattlesnake Coulee	1	284	544				828
2	Reagan	38	468	22,918	22,783			603
1	Red Creek	26		23,620	23,620			
1	Red Fox	1	522	7,228	7,370			380
1	Redstone	1	1,078	5,648	6,086			640
1	Repeat	1	405			198		207
4	Reserve	4	193	12,297		12,297		193
1	Richey	1	434	738	845			327
1	Richey Southwest	6	716	4,409	4,337			788
2	Rush Mountain	2	905	5,410		5,915		400
2	Sand Creek	4	3,864	10,244	11,349			2,759
	Shotgun Creek		516					516
1	Sidney	1	888	2,166		2,166		888
1	Snyder	1	482	700		700		482
7	Soap Creek	18	4,997	7,441		7,532		4,906
1	Spring Lake	2	1,919	2,029		2,255		1,693
1	Stensvad	13	2,545	16,735	16,438			2,842
25	Sumatra	87	11,703	74,248	74,048			11,903
5	Tule Creek	5	2,940	40,812		40,491		3,261
2	Tule Creek East	2	584	16,021		15,915		690
2	Tule Creek South	3	1,262	8,354		8,209	19	1,388
1	Vida	1	698	495	441			752
4	Volt	5	1,388	16,206	15,119			2,475
2	Weed Creek	3	666	5,850	5,696		24	796
5	Weldon	12	1,594	49,549	49,715			1,428
1	West Butte	1		3,925		3,925		
16	Whitlash	27	8,932	15,359	14,752			9,539
2	Whitlash West	2	350	381				731
3	Wills Creek South	3	199	3,707	3,587			319
6	Wolf Springs	9	5,734	5,973	5,403			6,304
3	Woodrow	3	132	2,487	2,328			291
	Wildcat, Blaine Cty.		188					188
	Wildcat, Carbon Cty.		723					723
2	Wildcat, Glacier Cty.	5	718	1,117	501			1,334
3	Wildcat, Richland Cty.	3	2,540	40,428	38,047	1,521		3,400
2	Wildcat, Roosevelt Cty.	2		10,195	563	7,445		2,187
2	Wildcat, Sheridan Cty.	2	527	659				1,186
1	Wildcat, Stillwater Cty.	1	995	443	319			1,119
2	Wildcat, Toole Cty.	2	286	432	718			
1	Wildcat, Wibaux Cty.	1		1,011		663		348
706	Total	3,047	407,998	3,741,808	3,482,991	251,927	3,171	411,717

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1968	48,460,579	132,406	48,370,779	132,161
January, 1969	3,921,668	126,505	3,916,061	126,324
February, 1969	3,488,290	124,582	3,525,262	125,902
March, 1969	3,741,808	120,703	3,734,918	120,481

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1968	448,662	1,346,295	813,963	2,608,920
January, 1969	450,077	1,423,021	750,498	2,623,596
February, 1969	407,998	1,343,146	786,419	2,537,563
March, 1969	411,717	1,346,785	981,174	2,739,676

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF MARCH, 1969

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,363				2,363		
BEAR'S DEN—Truck			1,673					1,673	
BELL CREEK—Pipelines		1,124,860					535,935	588,925	
BIG WALL—									
Continental Pipeline Co.		16,182				16,182			
BLACKFOOT—									
Camerland Cardinal Corp.			805					805	
BORDER—Truck			571				571		
BOWES—Texaco Inc.		10,158				10,158			
BRORSON-MADISON—Pipelines		5,088						5,088	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			76,630				76,630		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	326,374	773,678	4,369	1,185,246			1,950,750		338,917
Shell Pipeline Co.	5,753	254,999			1,215			251,990	7,547
	332,127	1,028,677	4,369	1,185,246	1,215		1,950,750	251,990	346,464
CAT CREEK—									
Continental Pipeline Co.		10,051				10,051			
Truck			1,494			1,494			
		10,051	1,494			11,545			
CUT BANK—									
Continental Pipeline Co.			20,283	360,646				380,929	
Phillips Petroleum Co.	70,406	55,296		59,883	2,355	98,558			84,672
Texas Pipeline Co.	15,191	103,168		22,500	215			119,505	21,139
Union Oil Co.	102,708	72,382		34,114	862	128,160			80,182
Western Oil Trans. Co.		31,255						31,255	
Western Oil Trans. (Moulton)		52,681						52,681	
	188,305	314,782	20,283	477,143	3,432	226,718		584,370	185,993
DELPHIA—Truck			486			486			
DRY CREEK—Truck			203			203			
DWYER—Portal Pipeline Co.		18,625					18,625		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		233,220				233,220			
FAIRVIEW—Fairview Pipeline Co.		38,061					38,061		
FLAT COULEE—									
Camerland Cardinal Corp.		12,981				10,000		2,981	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		57,492					57,492		
FRANNIE—Interstate Pipeline Co.		783					783		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	13,020	66,967				38,189		29,917	11,881
GLENDIVE, DEER CREEK WOODROW & SAND CREEK—									
Texas Pipeline Co.	11,576	34,883			302			38,763	7,394
GOOSE LAKE—									
Portal Pipeline Co.		79,978					79,978		
HIAWATHA—									
Continental Pipeline Co.		20,289					20,289		
HIBBARD—Truck			802			802			
IVANHOE—									
Continental Pipeline Co.		8,145				8,145			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		11,570				9,885	1,685		
KELLEY—									
Continental Pipeline Co.		10,694				10,694			
KEVIN SUNBURST—									
Big West Oil Co.	4,695	11,245				10,650			5,290
Homestake Oil & Gas Co.	4,413	1,558				3,525			2,446
Texas Pipeline Co.	9,652	5,272			46			7,065	7,813
	18,760	18,075			46	14,175		7,065	15,549
MASON LAKE—									
Continental Pipeline Co.		1,422				1,422			
MELSTONE—									
Continental Pipeline Co.		1,744				1,744			
Truck			1,163					1,163	
		1,744	1,163			1,744		1,163	
MOSSER—Truck			317				317		
OUTLOOK & OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			35,659				35,659		
PONDERA—Phillips Petr. Co.	38,552	25,639			740	25,807			37,644
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	9,792	117,711			(31)			112,495†	15,039
RAGGED POINT—									
Continental Pipeline Co.		9,145				8,427	718		
RED CREEK—									
Western Oil Transportation Co.		26,095						26,095	
RESERVE—Truck			12,297				12,297		
RUSH MOUNTAIN—									
Sinclair Refining Co.			5,915				5,915		
SIDNEY—Truck			2,166					2,166	
SNYDER—Truck			700			700			
SOAP CREEK—Truck			7,532				7,532		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,255				2,255		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	725,521	86,880		1,188,732	5,762	63,726		1,207,727	723,918
TULE CREEK—									
Tesero Petr. Corp.	5,493		64,615			67,205			2,903
WEED CREEK—									
Continental Pipeline Co.		5,696				5,696			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		17,029				14,941		2,088	
WOLF SPRINGS—									
Continental Pipeline Co.		5,403				5,403			
WILDCAT WELLS—Truck			9,629				9,629		
TOTALS	1,343,146	3,418,325	251,927	2,851,121	11,466	785,473	2,857,484	2,863,311	1,346,785

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1969

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		16,182								16,182
Bowes			18,250							18,250
Cat Creek		6,104				423				6,527
Cut Bank	39,326						86,445		109,055	234,826
Delphia						81				81
Elk Basin		93,484		63,094	76,641					233,219
Flat Coulee									10,000	10,000
Fred & George Creek	38,189									38,189
Gage & Gage S. W.						61				61
Hibbard						103				103
Ivanhoe		8,145								8,145
Keg Coulee		2,390		7,492						9,882
Kelley					10,694					10,694
Kevin Sunburst	10,651									10,651
Mason Lake		1,422								1,422
Melstone				1,744						1,744
Pondera							22,979			22,979
Ragged Point				8,427						8,427
Sand Creek						5				5
Snyder		700								700
Sumatra & Stensvad		32,120		24,880	6,725					63,725
Tule Creek								69,226		69,226
Weed Creek					5,696					5,696
Whitlash							14,941			14,941
Wolf Springs					5,403					5,403
Total Montana Oil	88,166	160,547	18,250	105,637	105,159	673	124,365	69,226	119,055	791,078
Canadian Oil Imported		344,084			20,010					364,094
Wyoming Oil Imported		731,589		564,580	968,214					2,264,383
Total Montana, Canadian, and Wyoming Oil	88,166	1,236,220	18,250	670,217	1,093,383	673	124,365	69,226	119,055	3,419,555

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1968	26,482	21,007	64,842	112,331
March, 1968	23,649	10,262	65,132	99,043
March, 1969	25,518	11,745	73,045	110,308

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1968	23.57%	18.70%	57.73%
March, 1968	23.88%	10.36%	65.76%
March, 1969	23.13%	10.65%	66.22%